Figure 1

human PC cDNA
with WAP
pro and gene
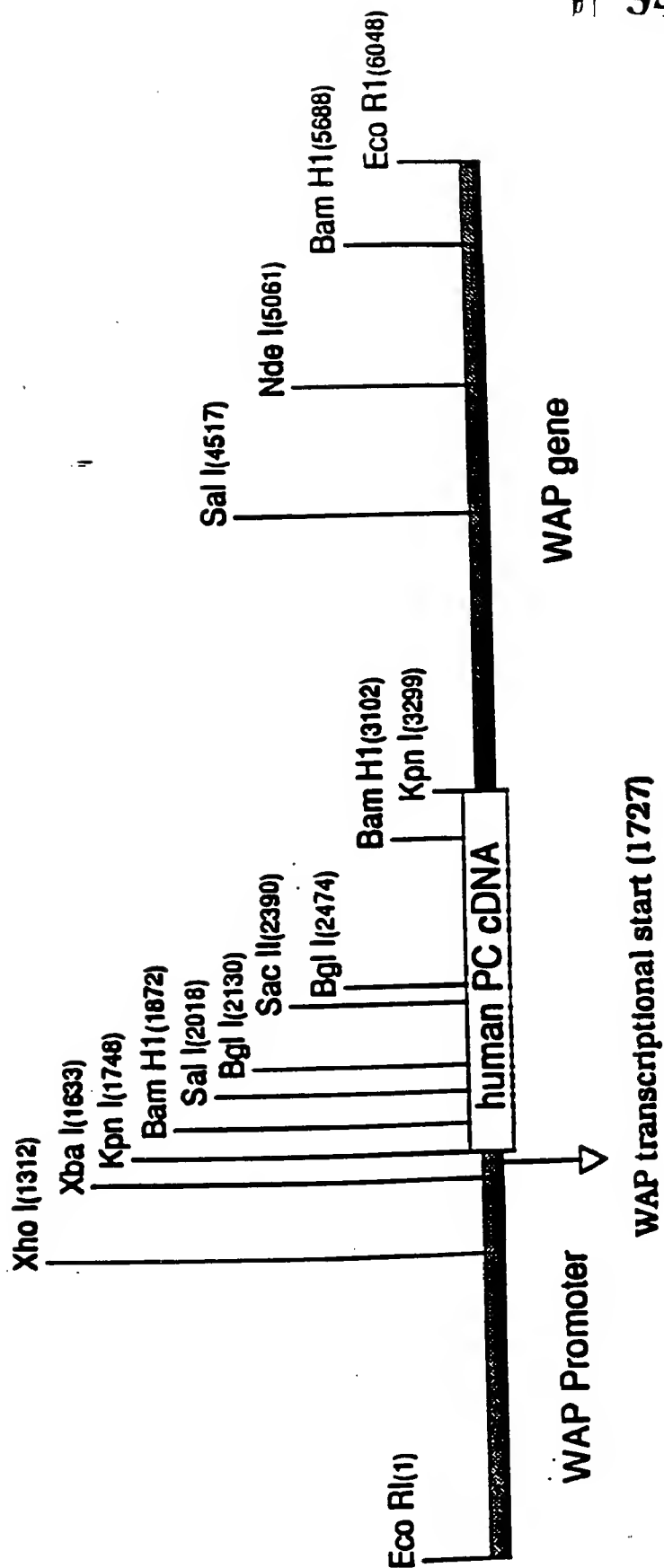

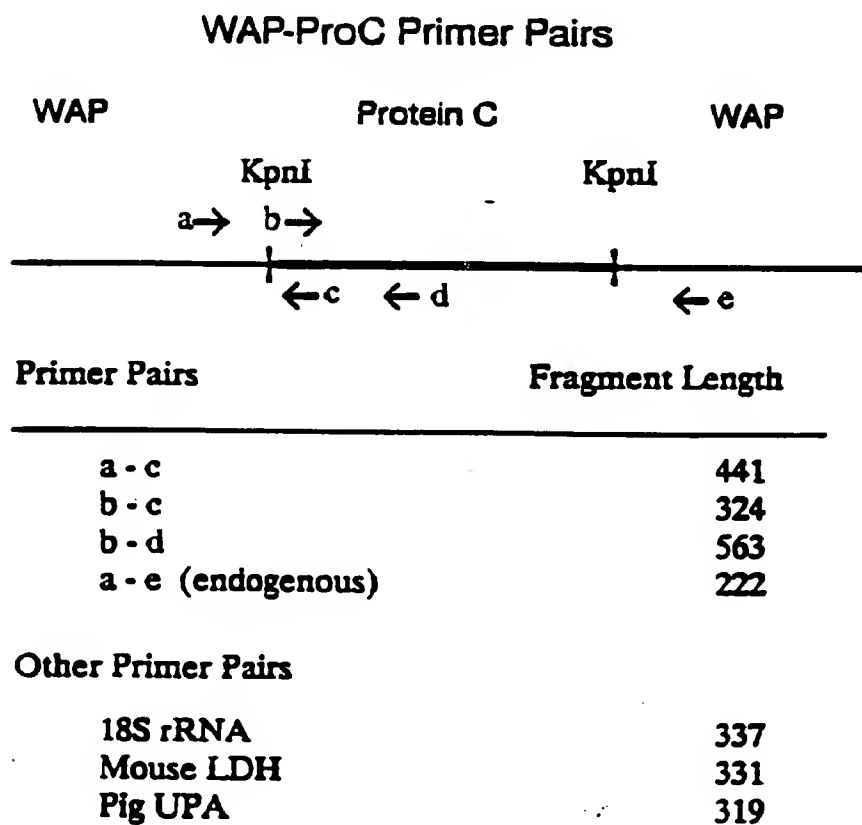Eco RI(1)

WAP Promoter

WAP transcriptional start (1727)

Xho I(1312)

Xba I(1633)

Kpn I(1748)

Bam H1(1872)

Sal I(2018)

Bgl I(2130)

Sac II(2390)

Bgl I(2474)

Bam H1(3102)

Kpn I(3299)

human PC cDNA

Sal I(4517)

Nde I(5061)

Bam H1(5688)

Eco R1(6048)

WAP gene

Figure 2

WAP-ProC Primer Pairs

WAP   Protein C   WAP

KpnI   KpnI

a→ b→

←c   ←d   ←e

Primer Pairs	Fragment Length
a - c	441
b - c	324
b - d	563
a - e (endogenous)	222

Other Primer Pairs

18S rRNA	337
Mouse LDH	331
Pig UPA	319

Figure 3

PROTEIN C EXPRESSION IN TRANSGENIC MOUSE MILK
STANDARD CURVE – ELISA

O——O MAB 12A8
●——● POLYCLONAL AB
X MOUSE # 5

UG/ML PROTEIN C

O.D. 490

Figure 4

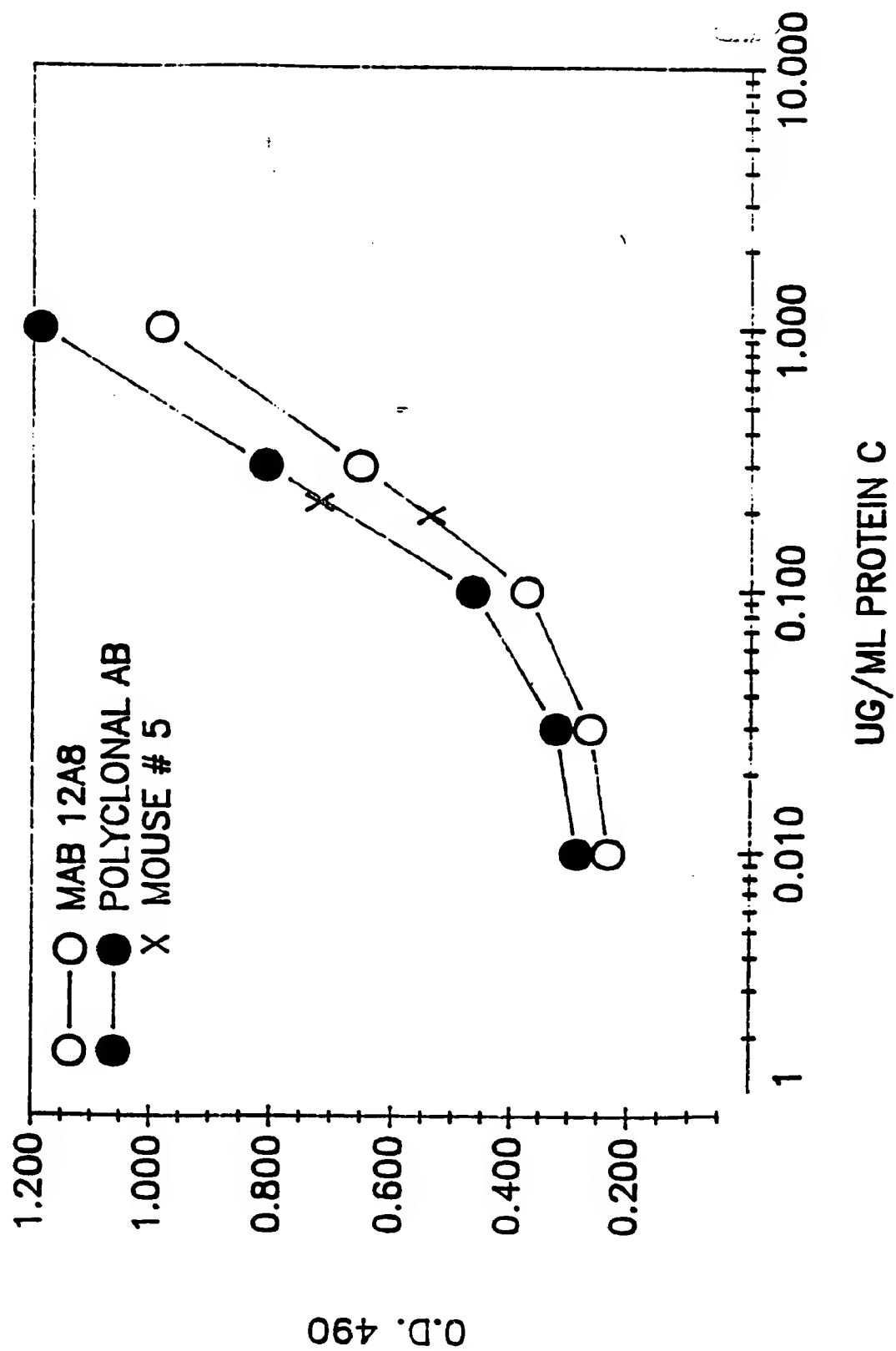**APTT Test**
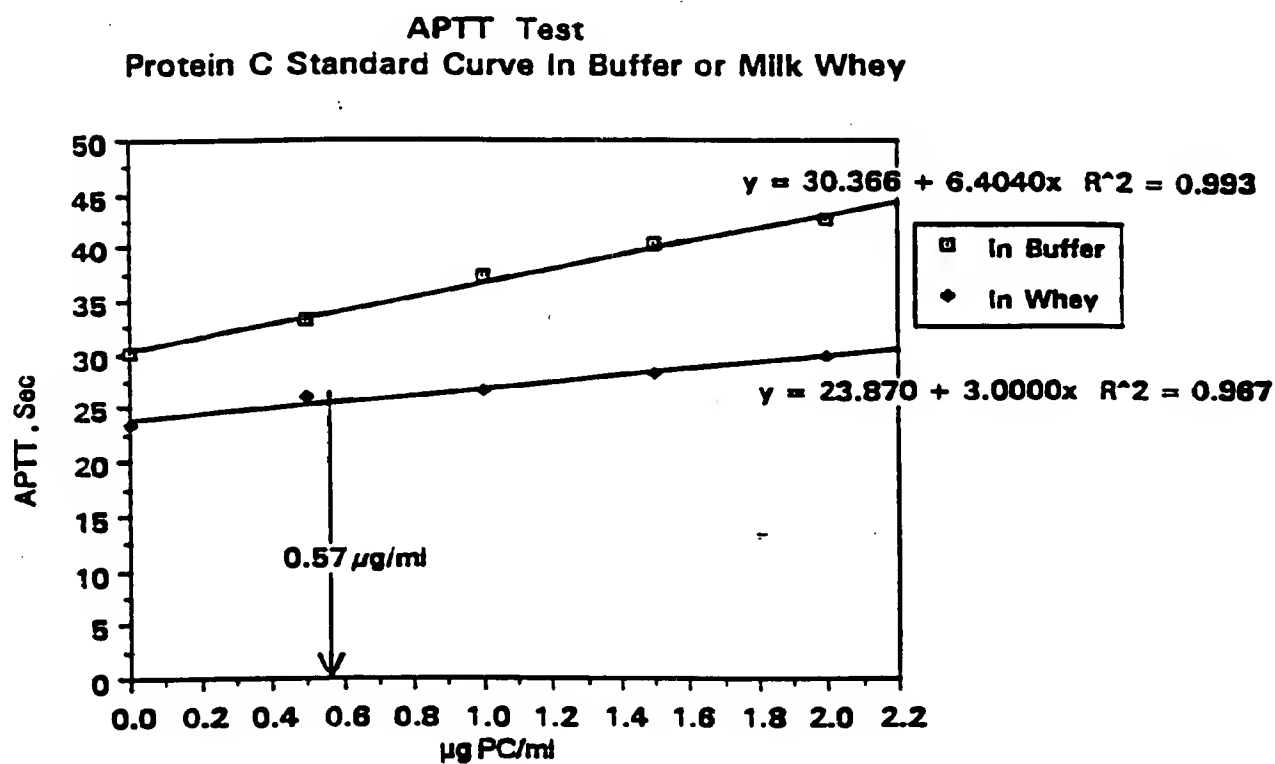**Protein C Standard Curve In Buffer or Milk Whey**

Figure 5

Mapping of Calcium Dependent Conformer
by Metal-Dependent Immunoaffinity
Interaction

Figure 6

WAP-hPC Construct


```
        +26 SalI                                                              MscI
          |   |                                                                | |
GGTAC GTCGAC ACAGGTGCCAGTGCCTCCAGA ATG TGGCAGCTCACAAGCCTCCTGCTGTTCGTGGCCA
```
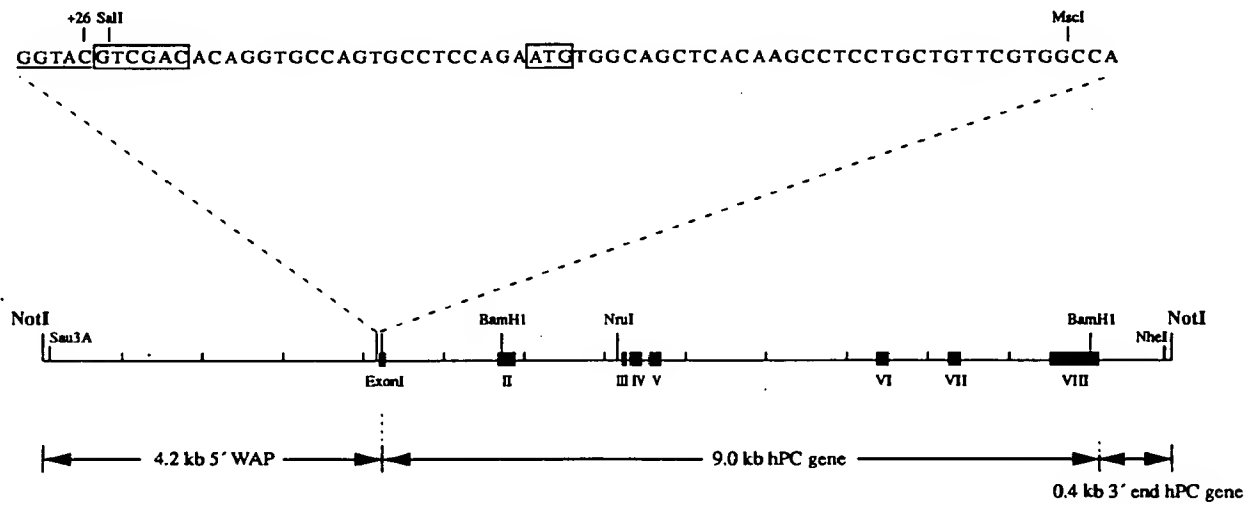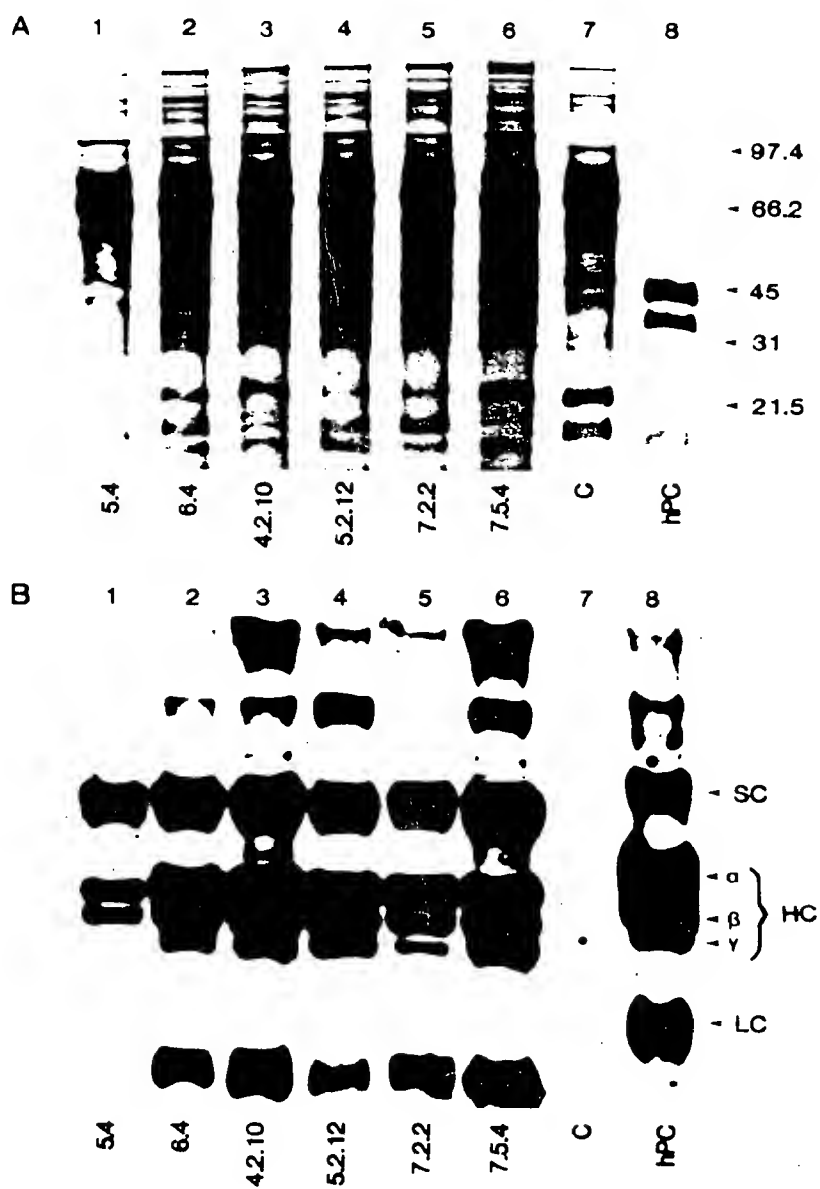
```
NotI                                    BamHI        NruI                          BamHI    NotI
 | Sau3A                                                                             |      NheI
 |                                      ExonI    II   III IV V        VI    VII    VIII
```

|←——— 4.2 kb 5′ WAP ———→|←——————————— 9.0 kb hPC gene ——————————→|

0.4 kb 3′ end hPC gene

Figure 7

Figure 8

A 1 2 3 4 5 6 7 8

| hPC | C | 7.5.4 | 7.2.2 | 5.2.12 | 4.2.10 | 8.4 | 5.4 |

B 1 2 3 4 5 6 7 8

| hPC | C | 7.5.4 | 7.2.2 | 5.2.12 | 4.2.10 | 6.4 | 5.4 |